

Title (en)

Apparatus for occluding blood flow

Title (de)

Vorrichtung zur Abschliessung der Blutströmung

Title (fr)

Appareil pour l'occlusion du débit sanguin

Publication

**EP 0699412 B1 20030423 (EN)**

Application

**EP 95113578 A 19950829**

Priority

US 29730194 A 19940829

Abstract (en)

[origin: EP0699412A2] The vascular resistance to blood flow through the hand is increased in an essentially uniform manner by the application of pressure to the hand. The pressure is applied by means of an inflatable bladder mounted on an arm board or within a non-expandable sleeve, mitten or glove, which bladder covers at least the palm of the hand. Controlled inflation of the bladder conveys pressure to the hand tissue to a degree necessary to compress vascular structures and obstruct or restrict blood flow. By occluding blood flow through the hand, more accurate invasive blood pressure readings can be taken in clinical situations where decreased hand vascular resistance occurs. <MATH>

IPC 1-7

**A61B 5/022**; **A61B 17/135**

IPC 8 full level

**A61B 5/022** (2006.01)

CPC (source: EP US)

**A61B 5/02233** (2013.01 - EP US); **A61B 5/412** (2013.01 - EP US); **Y10S 128/20** (2013.01 - EP)

Citation (examination)

LENDERS ET AL.: "Role of the wrist cuff in forearm plethysmography", CLINICAL SCIENCE, vol. 80, no. 5, 1991, pages 413 - 417, XP000912117

Cited by

GB2461852A; GB2461852B

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

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**EP 0699412 A2 19960306**; **EP 0699412 A3 19981118**; **EP 0699412 B1 20030423**; AT E237989 T1 20030515; DE 69530448 D1 20030528; US 5558095 A 19960924; US 5727559 A 19980317

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